

Construction Material

General

Soils are rated as sources for roadfill, topsoil, sand, and gravel. Suitability ratings of good, fair, or poor are given for soils used as a source of roadfill and topsoil. Ratings of probable and improbable are given for sand and gravel. A rating of probable means that on the basis of the available evidence, the source material is likely to be in or below the soil. A rating of improbable means that the source material is unlikely to be in or below the soil. The ratings for sand and gravel do not consider the quality of the source material because quality depends on how the source material is to be used.

Roadfill

Roadfill consists of soil material that is excavated from its original position and used in road embankments elsewhere. The evaluations for roadfill are for low embankments that generally are less than 6 feet in height and are less exacting in design than high embankments such as those along superhighways. The rating is given for the whole soil, from the surface to a depth of about 5 feet, based on the assumption that soil horizons will be mixed in loading, dumping, and spreading. Soils are rated as to the amount of material available for excavation, the ease of excavation, and how well the material performs after it is in place.

Sand

Sand as a construction material is usually defined as particles ranging in size from 0.074 mm (sieve #200) to 4.75 mm (sieve #4) in diameter. Sand is used in great quantities in many kinds of construction. Specifications for each purpose vary widely. The intent of this rating is to show only the probability of finding material in suitable quantity. The suitability of the sand for specific purposes is not evaluated. If the lowest layer of the soil contains sand, the soil is rated as a probable source regardless of thickness. The assumption is that the sand layer below the depth of observation exceeds the minimum thickness.

Gravel

Gravel as a construction material is defined as particles ranging in size from 4.76 mm (sieve #4) to 76 mm (3 inches) in diameter. Gravel is used in great quantities in many kinds of construction. Specifications for each purpose vary widely. The intent of this rating is to show only the probability of finding material in suitable quantity. The suitability of the gravel for specific purposes is not evaluated. If the lowest layer of the soil contains gravel, the soil is rated as a probable source regardless of thickness. The assumption is that the gravel layer below the depth of observation exceeds the minimum thickness.

Topsoil

The term "topsoil" has several meanings. As used here, the term describes soil material used to cover an area so as to improve soil conditions for establishment and maintenance of adapted vegetation. Generally, the upper part of the soil, which is richest in organic matter, is most desirable; however, material excavated from deeper layers is also used. In this rating, the upper 40 inches of soil material is evaluated for use as topsoil. In the borrow area, the material below 40 inches is evaluated for its suitability for plant growth after the upper 40 inches is removed. The soil properties that are used to rate the soil as topsoil are those that affect plant growth, the ease of excavation, loading, and spreading, and those that affect the reclamation of the borrow area.

See the National Soil Survey Handbook, Part 620, for criteria used in rating specific uses

CONSTRUCTION MATERIALS**Androscoggin and Sagadahoc County**

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. Absence of an entry indicates that no rating is applicable.

Soil name and map symbol	Roadfill	Sand	Gravel	Topsoil
AaB ADAMS	Good.	Probable.	Improbable: too sandy.	Poor: too sandy.
AaC ADAMS	Good.	Probable.	Improbable: too sandy.	Poor: too sandy.
AaD ADAMS	Fair: slope.	Probable.	Improbable: too sandy.	Poor: slope, too sandy.
AbD ADAMS	Good.	Probable.	Improbable: too sandy.	Poor: too sandy.
AdA AGAWAM	Good.	Probable.	Improbable: too sandy.	Fair: thin layer.
AdB AGAWAM	Good.	Probable.	Improbable: too sandy.	Fair: thin layer.
AdC AGAWAM	Good.	Probable.	Improbable: too sandy.	Fair: slope, thin layer.
AdD AGAWAM	Fair: slope.	Probable.	Improbable: too sandy.	Poor: slope.
B.P. BORROW PITS	Limitation: variable.	Limitation: variable.	Limitation: variable.	Limitation: variable.

CONSTRUCTION MATERIALS**Androscoggin and Sagadahoc County**

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. Absence of an entry indicates that no rating is applicable.

Soil name and map symbol	Roadfill	Sand	Gravel	Topsoil
BgB BELGRADE	Poor: frost action.	Improbable: excess fines.	Improbable: excess fines.	Good.
BgC BELGRADE	Poor: frost action.	Improbable: excess fines.	Improbable: excess fines.	Fair: slope.
Bo BIDDEFORD	Poor: low strength, wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: too clayey, wetness.
BuB2 BUXTON	Poor: low strength, wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: too clayey, wetness.
BuC2 BUXTON	Poor: low strength.	Improbable: excess fines.	Improbable: excess fines.	Poor: too clayey.
CfB CHARLTON	Good.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones.
CfC2 CHARLTON	Good.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones.
CfD2 CHARLTON	Fair: slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, slope, small stones.
ChB CHARLTON	Good.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.

CONSTRUCTION MATERIALS**Androscoggin and Sagadahoc County**

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. Absence of an entry indicates that no rating is applicable.

Soil name and map symbol	Roadfill	Sand	Gravel	Topsoil
ChC CHARLTON	Good.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
ChD CHARLTON	Fair: slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: slope, small stones.
Ck COASTAL BEACH	Poor: wetness.	Probable.	Improbable: too sandy.	Poor: area reclaim, excess salt, too
Du DUNE LAND	Fair: slope.	Probable.	Improbable: too sandy.	Poor: slope, too sandy.
EmB ELMWOOD	Poor: low strength.	Improbable: excess fines.	Improbable: excess fines.	Poor: too clayey.
EmC2 ELMWOOD	Poor: low strength.	Improbable: excess fines.	Improbable: excess fines.	Poor: too clayey.
G.P. SAND AND GRAVEL PITS	Good.	Probable.	Probable.	Poor: area reclaim, small stones, too
Ha HADLEY	Good.	Improbable: excess fines.	Improbable: excess fines.	Fair: too sandy.
HfB HARTLAND	Fair: low strength.	Improbable: excess fines.	Improbable: excess fines.	Good.

CONSTRUCTION MATERIALS**Androscoggin and Sagadahoc County**

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. Absence of an entry indicates that no rating is applicable.

Soil name and map symbol	Roadfill	Sand	Gravel	Topsoil
HfC2 HARTLAND	Fair: low strength.	Improbable: excess fines.	Improbable: excess fines.	Fair: slope.
HfD2 HARTLAND	Fair: low strength, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: slope.
HkB HINCKLEY	Good.	Probable.	Probable.	Poor: small stones, too sandy.
HkC HINCKLEY	Good.	Probable.	Probable.	Poor: small stones, too sandy.
HkD HINCKLEY	Fair: slope.	Probable.	Probable.	Poor: slope, small stones, too sandy.
HrB HOLLIS	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, depth to rock, small
HrC HOLLIS	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, depth to rock, small
HrD HOLLIS	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: depth to rock, slope, small stones.
HsB HOLLIS	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Poor: depth to rock, small stones.

CONSTRUCTION MATERIALS**Androscoggin and Sagadahoc County**

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. Absence of an entry indicates that no rating is applicable.

Soil name and map symbol	Roadfill	Sand	Gravel	Topsoil
HsC HOLLIS	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Poor: depth to rock, small stones.
HsD HOLLIS	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: depth to rock, slope, small stones.
Lc LEICESTER	Poor: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones,
Le LEICESTER	Poor: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones,
Lk LIMERICK	Poor: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: wetness.
Md MADE LAND	Limitation: variable.	Limitation: variable.	Limitation: variable.	Limitation: variable.
MeB MELROSE	Poor: low strength.	Improbable: excess fines.	Improbable: excess fines.	Poor: too clayey.
MeC MELROSE	Poor: low strength.	Improbable: excess fines.	Improbable: excess fines.	Poor: too clayey.
Mf MADE LAND	Limitation: variable.	Limitation: variable.	Limitation: variable.	Limitation: variable.

CONSTRUCTION MATERIALS**Androscoggin and Sagadahoc County**

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. Absence of an entry indicates that no rating is applicable.

Soil name and map symbol	Roadfill	Sand	Gravel	Topsoil
MkB MERRIMAC	Good.	Probable.	Probable.	Poor: area reclaim, small stones.
MkC2 MERRIMAC	Good.	Probable.	Probable.	Poor: area reclaim, small stones.
MkD2 MERRIMAC	Fair: slope.	Probable.	Probable.	Poor: area reclaim, slope, small stones.
NgB NINIGRET	Fair: wetness.	Probable.	Improbable: too sandy.	Fair: small stones, thin layer.
On ONDAWA	Good.	Probable.	Improbable: too sandy.	Fair: small stones, thin layer.
Pa PEAT	Poor: wetness.	Improbable: excess humus.	Improbable: excess humus.	Poor: excess humus, wetness.
MUCK	Poor: wetness.	Improbable: excess humus.	Improbable: excess humus.	Poor: excess humus, wetness.
PbB PAXTON	Good.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
PbC PAXTON	Good.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.

CONSTRUCTION MATERIALS**Androscoggin and Sagadahoc County**

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. Absence of an entry indicates that no rating is applicable.

Soil name and map symbol	Roadfill	Sand	Gravel	Topsoil
PbD PAXTON	Fair: slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: slope, small stones.
PfB PAXTON	Good.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
PfC PAXTON	Good.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
PfD PAXTON	Fair: slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: slope, small stones.
Py PODUNK	Fair: wetness.	Probable.	Improbable: too sandy.	Fair: area reclaim, small stones, thin
QU. QUARRIES	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Poor: depth to rock.
RhC ROCK LAND	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Poor: depth to rock.
HOLLIS	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Poor: depth to rock, small stones.
RhD ROCK LAND	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: depth to rock, slope.

CONSTRUCTION MATERIALS

Androscoggin and Sagadahoc County

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. Absence of an entry indicates that no rating is applicable.

Soil name and map symbol	Roadfill	Sand	Gravel	Topsoil
RhD HOLLIS	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: depth to rock, slope, small stones.
S.L. STRIPPED LAND	Limitation: variable.	Limitation: variable.	Limitation: variable.	Limitation: variable.
Sa SACO	Poor: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: wetness.
ScA SCANTIC	Poor: low strength, wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: too clayey, wetness.
So SCARBORO	Poor: wetness.	Probable.	Probable.	Poor: area reclaim, too sandy, wetness.
SuC2 SUFFIELD	Poor: low strength.	Improbable: excess fines.	Improbable: excess fines.	Poor: too clayey.
SuD2 SUFFIELD	Poor: low strength.	Improbable: excess fines.	Improbable: excess fines.	Poor: slope, too clayey.
SxB SUTTON	Fair: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
SxC SUTTON	Fair: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.

CONSTRUCTION MATERIALS**Androscoggin and Sagadahoc County**

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. Absence of an entry indicates that no rating is applicable.

Soil name and map symbol	Roadfill	Sand	Gravel	Topsoil
SyB SUTTON	Fair: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
SyC SUTTON	Fair: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
SzA SWANTON	Poor: low strength, wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: too clayey, wetness.
Tn TIDAL MARSH	Poor: low strength, wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: excess salt, wetness.
Wa WALPOLE	Poor: wetness.	Probable.	Probable.	Poor: too sandy, wetness.
Wg WHATELY	Poor: low strength, wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: too clayey, wetness.
Wh WHITMAN	Poor: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones,
Wn WINOOSKI	Fair: wetness.	Improbable: excess fines.	Improbable: excess fines.	Fair: too sandy.
WrB WOODBIDGE	Fair: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.

CONSTRUCTION MATERIALS**Androscoggin and Sagadahoc County**

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. Absence of an entry indicates that no rating is applicable.

**Soil name
and map
symbol**

Roadfill

Sand

Gravel

Topsoil

WsB

WOODBIDGE

Fair: wetness.

Improbable:
excess fines.

Improbable:
excess fines.

Poor: small
stones.

